

Converting Colors

$Yxy(35.2218, 0.3807, 0.4961)$

Have a look what the booklet for
Yxy(35.2218, 0.3807, 0.4961)
contains.

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Color

Yxy(35.2095, 0.3810, 0.4959)

Conversions

Conversions Part 1

Format	Color
Hex	93AA35
RGB	147, 170, 53
RGB Percent	58%, 67%, 21%
CMY	0.4235, 0.3333, 0.7921
CMYK	0.14, 0.00, 0.69, 0.33
HSL	72°, 52%, 44%
HSV	72°, 69%, 67%
XYZ	27.0515, 35.2095, 8.7402
YIQ	149.7850, 23.8490, -41.2630

Conversions

Conversions Part 2

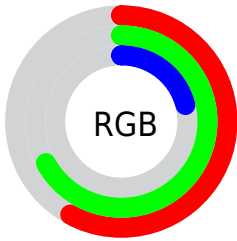
Format	Color
RYB	53, 170, 76
Decimal	9677365
CIELab	65.91, -24.17, 54.95
CIELCh	66, 60.034, 113.745
Yxy	35.2095, 0.3810, 0.4959
Android (android.graphics.Color)	4287867445 (0xFF93AA35)
YUV	149.7850, -47.7150, -2.4424
Hunter-Lab	59.3376, -22.4643, 32.8031

Details

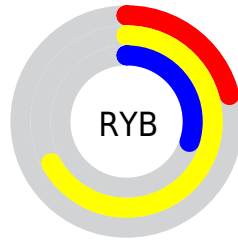
The Yxy color **35.2095, 0.3810, 0.4959** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.9872, 0.2010, 0.1220**, and the grayscale version is **30.6040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5875, 0.3720, 0.4643**, and **15.2840, 0.3837, 0.5335** is the 20% darker color. If you saturate the color by 10%, you get **34.7769, 0.3848, 0.5120**, and if you desaturate by 10%, it is **35.7097, 0.3748, 0.4759**.

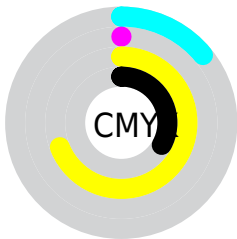
Distribution



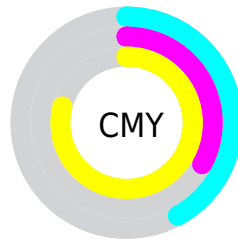
- Red (58%)
- Green (67%)
- Blue (21%)



- Red (21%)
- Yellow (67%)
- Blue (30%)



- Cyan (14%)
- Magenta (0%)
- Yellow (69%)
- Black (33%)





- Cyan (42%)
- Magenta (33%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2095, 0.3810, 0.4959 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 35.2095, 0.3810, 0.4959 by changing the saturation by 10% instead.


 35.2095, 0.3810,
0.4959


 35.2095, 0.3810,
0.4959


325.4921, 0.3513,
0.4083


 23.8243, 0.3854,
0.5174


 67.8102, 0.3721,
0.4639

 15.2033, 0.3887,
0.5437


 89.7945, 0.3681,
0.4519


 8.9622, 0.3901,
0.5784


 116.0806, 0.3645,
0.4417

 4.7165, 0.3818,
0.6182

 147.0529, 0.3613,
0.4330

 2.0819, 0.3474,
0.6526

 183.0958, 0.3584,
0.4256

 0.6544, 0.0465,
0.9535

 224.5937, 0.3558,

 0.0000, 0.0000,

0.4191

0.0000

271.9310, 0.3535,
0.4134

■ 35.2095, 0.3810,
0.4959

■ 35.2095, 0.3810,
0.4959

■ 34.7769, 0.3848,
0.5120

■ 35.7097, 0.3748,
0.4759

■ 34.4009, 0.3861,
0.5237

■ 36.2782, 0.3665,
0.4528

■ 34.0715, 0.3853,
0.5315

■ 36.9213, 0.3567,
0.4278

■ 34.0337, 0.3852,
0.5324

■ 37.6431, 0.3458,
0.4018

■ 38.4478, 0.3344,
0.3757

■ 39.3389, 0.3228,
0.3504

■ 40.3198, 0.3114,
0.3262

■ 41.3937, 0.3004,
0.3036

■ 42.5638, 0.2901,
0.2827

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.2095, 0.4536, 0.4517



35.2095, 0.3810, 0.4959



35.2095, 0.2954, 0.4837

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.2095, 0.3810, 0.4959



35.2095, 0.1598, 0.2311



35.2095, 0.4032, 0.2656

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



35.2095, 0.3810, 0.4959



6.9872, 0.2010, 0.1220

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.2095, 0.3084, 0.2207



35.2095, 0.3810, 0.4959



35.2095, 0.1785, 0.1987

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.2095, 0.3810, 0.4959



35.2095, 0.1723, 0.3011



35.2095, 0.2283, 0.1969



35.2095, 0.4752, 0.3240

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.2095, 0.3810, 0.4959



35.2095, 0.2420, 0.4345



35.2095, 0.2283, 0.1969



35.2095, 0.3720, 0.2487

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



35.2111, 0.3810, 0.4959



69.3686, 0.3373, 0.3824



13.7633, 0.5123, 0.3579



15.3814, 0.3404, 0.3893



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.2111, 0.3810, 0.4959



62.6975, 0.3859, 0.5192



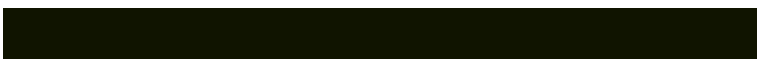
31.1840, 0.3272, 0.5303



8.6982, 0.3233, 0.3515



25.0585, 0.3856, 0.5321



0.6282, 0.3974, 0.5226

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



6.9872, 0.2010, 0.1220



8.0860, 0.1765, 0.0856



10.4332, 0.2687, 0.1541



7.3689, 0.3015, 0.3059



2.3972, 0.1607, 0.0659



0.0778, 0.1907, 0.0824

Previews

White Background



This preview shows how the Yxy color 35.2095, 0.3810, 0.4959 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 35.2095, 0.3810, 0.4959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.2095, 0.3810, 0.4959

Background



This preview shows how black text looks on a background with the Yxy color 35.2095, 0.3810, 0.4959.



This preview shows how white text looks on a background with the Yxy color 35.2095, 0.3810, 0.4959.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

35.2095, 0.3810, 0.4959

Protanopia

34.9556, 0.4244, 0.4674

Deuteranopia

34.9144, 0.4475, 0.4392



Tritanopia

35.1075, 0.3022, 0.3116

Trichromacy



Original Color

35.2095, 0.3810, 0.4959

Protanomaly

35.0054, 0.4076, 0.4787

Deuteranomaly

34.7950, 0.4224, 0.4599

Tritanomaly

34.7215, 0.3362, 0.3826

Monochromacy



Original Color

35.2095, 0.3810, 0.4959

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.7413, 0.3435, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2095, 0.3810, 0.4959 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(147, 170, 53)` looks like.

```
.text, #text, p{  
    color:rgb(147, 170, 53)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(147, 170, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 170, 53) }
```

Border

The CSS property to change the border of an element to Yxy 35.2095, 0.3810, 0.4959 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 170, 53) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(147, 170, 53) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(147, 170, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 170, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 170, 53);  
box-shadow:4px 4px 4px 4px rgb(147, 170,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2095, 0.3810, 0.4959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 170, 53) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(147,  
170, 53) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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